

PROPOSED TEST PLAN

Submitted to: Kansas Department of Health and Environment
Bureau of Air and Radiation
Attn: Russ Brichacek
1000 SW Jackson, Suite 310
Topeka, KS 66612-1366

Date Submitted: _____

Proposed Test Date: _____

1.) FACILITY INFORMATION:

Name:		
Source ID:		
Address:		
City:	State:	Zip:
Name & title of Contact Person:		
Phone No. of Contact Person:	Fax No.:	

2.) AIR POLLUTION SOURCE TO BE TESTED:

Type of Source:			
Reason for Test:		Condition of Permit	Consent Agreement
		Administrative Order	
		Other (specify MACT, Voluntary, etc.)	
Permit #:			
Address of Source:			
Directions to Source (or map attached):			
Initial Start-up Date:			

3.) TESTING FIRM INFORMATION:

Name of Firm:

Address:

City:

State:

Zip:

Name & Title of Contact Person:

Phone No. of Contact Person:

Fax No:

Number of employees of firm:

No. of employees actually engaged in air pollution source testing:

Organizational chart with names & title of personnel: (please attach)

Location & description of laboratory facilities:

Subcontractor(s) utilized by firm for source testing activities:

Number of air pollution sources previously tested by firm:

Sources tested by firm in Kansas in past 3 years (source, test, date):

4.) PERFORMANCE TEST INFORMATION:

Pollutant		No. of Sampling Points	Total Time per Test Run	No. of Test Runs	Test Method to be Used
1.					
2.					
3.					
4.					
5.					
6.					

PRELIMINARY METHOD 1 DATA

Duct to be Sampled:		Sketch of Stack or Duct with Port Locations & Distances Shown:	
Duct Dimensions:			
From inside far wall to outside of port			
Nipple Length			
Depth (or diameter) of duct			
Width (rectangular duct)			
Equivalent Diameter (other than round stacks)			
$De = \frac{2 \times \text{Depth} \times \text{Width}}{\text{Depth} + \text{Width}} = 2 \left(\frac{\quad}{\quad + \quad} \right) =$			
Distance from Ports to Nearest Flow Disturbance			
	Upstream		Downstream
Diameters			
Diameters			
Stack Area = IN ²			
Calculated by:			

												Point	% of Stack I.D.	Stack I.D.	Distance from outside wall	Nipple Length	Distance from Outside of Port
Location of Traverse Points in Circular Stacks																	
	4	6	8	10	12	14	16	18	20	22	24						
1	6.7	4.4	3.2	2.6	2.1	1.8	1.6	1.4	1.3	1.1	1.1						
2	25	14.6	10.5	8.2	8.7	5.7	4.9	4.4	3.9	3.5	3.2						
3	75	29.6	19.4	14.6	11.8	9.9	8.5	7.5	6.7	6	5.5						
4	93.3	70.4	32.3	22.6	17.7	14.6	12.5	10.9	9.7	8.7	7.9						
5		85.4	67.7	34.2	25	20.1	16.9	14.6	12.9	11.6	10.5						
6		95.6	80.6	65.8	35.6	26.9	22	18.8	16.5	14.6	13.2						
7			89.5	77.4	64.4	36.8	28.3	23.6	20.4	18	16.1						
8			96.8	85.4	75	63.4	37.5	29.6	25	21.8	19.4						
9				91.8	82.3	73.1	62.5	38.2	30.6	26.2	23						
10				97.4	88.2	79.9	71.7	61.8	38.8	31.5	27.2						
11					93.3	85.4	78	70.4	61.2	39.3	32.3						
12					97.9	90.1	83.1	76.4	69.4	60.7	39.8						
Location of Traverse Points in Rectangular Stacks																	
	2	3	4	5	6	7	8	9	10	11	12						
1	25	16.7	12.5	10	8.3	7.1	6.3	5.6	5	4.5	4.2						
2	75	50	37.5	30	25	21.4	18.8	16.7	15	13.8	12.5						
3		83.3	62.5	50	41.7	35.7	31.3	27.8	25	22.7	20.8						
4			87.5	70	58.3	50	43.8	38.9	35	31.8	29.2						
5				90	75	64.3	56.3	50	45	40.9	37.5						
6					91.7	78.6	68.8	61.1	55	50	45.8						
7						92.9	81.3	72.2	65	59.1	54.2						
												NOTE: Cyclonic flow must be measured by instrument and shown to be absent prior to the initiation of sampling.					

5.) GENERAL

A. Sampling Equipment Information:

The manufacturer and model of the sampling equipment to be used by the tester for the performance tests, along with a description of any equipment, which **may differ from that required by the specific method(s)**.

B. Test Procedures:

A description of any test procedures to be used in the conduct of the performance tests **which may differ from the specified method(s)**.

NOTE: Deviations from EPA test methods observed during test procedures will not necessarily be corrected by agency observer and could result in agency rejection of test results.

C. Analytical Procedures:

A description of any analytical procedures, **which may differ from the specified method(s)**.

D. Data Sheets:

A sample of all field data sheets, **which do not provide the data shown on the example sheets in 40 CFR 60 for the specified method(s)**.

E. Air Pollution Control Equipment:

Types and manufacturers of all control equipment:

Design or guarantee efficiency: _____

Design gas volume at full load (acfm): _____

Design pressure drop: _____

Maintenance schedule and method of record keeping: _____

6.) SPECIFIC: EMISSION Source Process/Operation

Provide a full description of the process/operation being tested for air emissions, to include:

A. Characterization of plant/equipment/process:

B. Manufacturer, model & serial numbers of all major components:

C. Rated process/production capacity:

D. Normal process/production capacity:

E. Nature and relative % of raw material input to process:

F. Product(s)(with relative % if more than one):

G. Type(s) of fuel:

Consumption Rate:

H. Normal operating schedule:

I. Process flow diagram: (please attach)